



The State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

Representatives Present During the Inspection:

| | |
|---------|---|
| Company | Mike Davis |
| OGM | Wayne Western Environmental Scientist III |
| USFS | Tom Lloyd Ferron-Price District Geologist |

Inspection Report

| | |
|------------------|--------------------------|
| Permit Number: | C0410002 |
| Inspection Type: | TECHNICAL |
| Inspection Date: | Tuesday, August 10, 2004 |
| Start Date/Time: | 8/10/2004 9:50:00 AM |
| End Date/Time: | 8/10/2004 2:45:00 PM |
| Last Inspection: | Tuesday, July 20, 2004 |

Inspector: Wayne Western, Environmental Scientist III

Weather: Clear skies to partly cloudy, temp. mid 80's

InspectionID Report Number: 358

Accepted by: pgrubaug
8/18/2004

Permittee: **CANYON FUEL COMPANY LLC**

Operator: **CANYON FUEL COMPANY LLC**

Site: **SUFCA MINE**

Address: **397 S 800 W, SALINA UT 84654**

County: **SEVIER**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **ACTIVE**

Current Acreages

| | |
|-----------|------------------------|
| 24,632.95 | Total Permitted |
| 27.36 | Total Disturbed |
| | Phase I |
| | Phase II |
| | Phase III |

Mineral Ownership

- ☒ Federal
☒ State
☐ County
☐ Fee
☐ Other

Types of Operations

- ☒ Underground
☐ Surface
☐ Loadout
☐ Processing
☐ Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

The purpose of the inspection was to identify the subsidence cracks in the Box Canyon area that were a hazard or a potential hazard and discuss what methods should be used to fill the cracks. The team decided that the cracks that someone could trip over or fall into must be filled. Minor cracks, such as those with widths was less than two inches were not considered hazards.

Inspector's Signature

Date Wednesday, August 11, 2004

Wayne Western, Environmental Scientist III

Inspector ID Number: 42

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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Inspection Continuation Sheet

Page 2 of 3

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

| | Evaluated | Not Applicable | Comment | Enforcement |
|--|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| 1. Permits, Change, Transfer, Renewal, Sale | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Signs and Markers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Topsoil | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4.a Hydrologic Balance: Diversions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.b Hydrologic Balance: Sediment Ponds and Impoundments | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.c Hydrologic Balance: Other Sediment Control Measures | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.d Hydrologic Balance: Water Monitoring | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.e Hydrologic Balance: Effluent Limitations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Explosives | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Disposal of Excess Spoil, Fills, Benches | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Coal Mine Waste, Refuse Piles, Impoundments | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Noncoal Waste | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Protection of Fish, Wildlife and Related Environmental Issues | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. Slides and Other Damage | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Contemporaneous Reclamation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Backfilling And Grading | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Revegetation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 14. Subsidence Control | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Cessation of Operations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16.a Roads: Construction, Maintenance, Surfacing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16.b Roads: Drainage Controls | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Other Transportation Facilities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Support Facilities, Utility Installations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 19. AVS Check | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 20. Air Quality Permit | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 21. Bonding and Insurance | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 22. Other | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

3. Topsoil

The group noted that there is little or no topsoil in the area. The soil consists of sand with very little if any organic material. Soil resources will be salvaged and not used to fill in cracks. The cracks will be filled with road base from an outside source and foam.

9. Protection of Fish, Wildlife and Related Environmental Issues

The group identified subsidence cracks that are or have the potential to become hazards to people and animals. The team flagged the cracks that needed to be repaired. The contractor will repair them in a few days. The cracks range in size from a few inches wide and a foot deep to two feet wide and up to 30 feet deep. Lack of satellite cover prevented the team from mapping the cracks with a GPS unit. See the image file for pictures of the cracks. Point locations for some of the cracks are: crack in photographs 2 and 3 N 4317482.9 M E471463.7 M, crack in photographs 4 and 5 N4317472M E471459M, cracks in photographs 6 and 7 N 4317467 E471433M E471459 and N4317469M E471447, and crack in photographs 6 and 7 N4317467M andC471433M.

13. Revegetation

Tom Lloyd said that USFS would provide the seed mixture to the contractor after the cracks were filled. The USFS wanted the seeding rate to be double the regular rate.

22. Other

The team decided that the contractor could use, at his judgment about whether to use, road base material or foam to fill in the cracks. The team decided that any rocks that were used must be small enough to down at least three times the crack width and that any foam products must be at least three times deeper than the width of the crack.

If the soil bridged part of a crack, the team decided that the contractor must remove the bridge and fill in the crack. The contractor must take steps needed to prevent piping of soil into cracks.

The team found that there was no, if little, topsoil in the area. The soil depth is from less than an inch to up to one foot deep. The soil is mostly sand with very little organic material. The team decided that when possible soil should be used only to fill in the top foot of any crack.

The team marked all of the cracks that needed to be filled. The team told the contractor to observe the following guidelines: have fire-fighting equipment on hand, develop travel routes that go around young trees, and use rubber tired vehicles.

The team concluded that the contractor should begin work as soon as practical.